

VKHR - Kahului Harbor
Hawaiian Canoe Club

Date 1st used	KAHULUI HARBOR HAWAIIAN CANOE CLUB VKHR		Survey Dates										
			1/9/95	9/2/95	2/20/96	8/11/96	1/8/97	6/29/97	1/7/98	7/9/98	1/12/99	7/1/99	
Jan-97	RP# 1	PK nail in palm tree	-	-	-	-	-	*BRP	BRP	BRP	BRP	-	-
Jan-95	RP# 2 **	PK nail on flag in crevice base of ironwood tree	RP1	RP1	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP	FRP
Jan-95	RP# 3 *	PK nail on flag in crack near culvert	RP4	RP4	SRP1	SRP	SRP	SRP/GPS2	SRP	SRP?	SRP	SRP	SRP
Jan-95	RP# 4	PK nail on flag in base of Norfolk pine	RP2	RP2	BRP	BRP	-	-	-	-	-	-	-
Jan-95	RP# 5	PK nail in hole of westernmost basalt boulder	RP3	RP3	SRP2	-	-	-	-	-	-	-	-
Jan-99	RP# 6	PK nail between 11 and 12th green post	-	-	-	-	-	-	-	-	-	*BRP	BRP
	Start of Line		-	-	notes	-	RP1	rp1	at BRP	at FRP	at BRP	at FRP	
	Bearing		N54W	N55W	-	N55W	N55W	N58W	-	-	-	-	322

LOCATION: After VKHL, right on Amala Place, then left at "T" intersection, then right at wierd intersection on Kaahumanu Ave. Right on Puunene, across street from Longs shopping center. Pass Chart House restaurant on left, Canoe Club on right. End of Puunene Ave, 100ft to right towards Pier 2 industrial area. Pull up to dunes; park; walk to the right (N) towards shacks.

LINE-UP In naupaka on top of little scarp, to the south of the line

Horizontal R White PVC pipe at tide gauge at end of rock wall; NW top edge of pipe

- RP# 1 PK in palm tree 8" off ground facing seaward, ~38-40 paces behind RP2
- RP# 2 PK nail on flag, burried in crevice in base of ironwood (most front-left of cluster); nail faces west; tree is 4 paces from most seaward red building. *Jul-98 new PK next to overgrown old PK
- RP# 3 PK on flag in crack at intersection between rock wall and flat top of drainage culvert
- RP# 4 PK nail on flag in front base of Norfolk pine tree, about 8" from ground facing seaward. Norfolk is ~70 paces behind RP2
- RP# 5 PK in hole of westernmost basalt boulder of parking lot rock wall
- RP# 6 PK between 11th and 12th green post from NW corner post on makai side of 8' fence at groundlevel below 3" piece of wire twisted on chain link fence about 18" above ground.
- GPS VKH1: temp RP online makai (1/8/95) No corresponding EDM points
- GPS VKH2: temp RP online mauka (1/8/95) No corresponding EDM points
- GPS1 VE22: Tidal BME22 on Kahului Pier (1/10 and 1/12/95)
- GPS VKHR: Tidal BME22 on Kahului Pier (1/11/95)
- GPS2 KHR2: RP3, PK nail on culvert (7/7/97)

- NOTES:**
- 1/8/95 GPS Survey, VKH1, VKH2
 - 1/10,12/95 GPS Survey, VE22
 - 1/11/95 GPS Survey, VKHR
 - 7/7/97 GPS Survey, KHR2

GPS Positions	Longitude	Latitude	Elevation (meters above local tidal datum)
KHR2	-156.467575	20.894096	1.402

*Primary GPS for elevation control: RP3/GPS2/KHR2 = 1.402
**Primary reference point: RP2/FRP = 2.102